

Prof. Naya Raj Pant As an Institution of Mathematics

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Abstract:- In this article, the contribution of Naya Raj Pant in mathematics are examined in the wake of the earlier studies of the ancient mathematics, astronomy, Jyoutisha, cube roots, trigonometry, sumatitantram, Kalchakra's Jyoutisha part based in Bouddhatantra and analysis of manuscripts of mathematics.

Key words:- Cube roots, trigonometry, sumatitantram, trijoidicle rule.

1. Introduction:-

Naya Raj Pant occupies a central but singular position in history of mathematical sciences in Nepal. In the pathway to enduring, meaningful, creative mathematical research, Pant had incomparable contributions based on ancient development of mathematics.

Professor Pant was born on 26th Shravan 1970 B.S. as the son of Krishna Datta Pant and Yagyapriya Pant at Piyusvarsiya, Ausadhalaya, Mahabaudha in Kathmandu but his paternal home was at Gorakha district but he and his mother did not go there to claim their own property.

His father was died when he was one and half years old then, his mother stayed in her birth home with him. She was very friendly in her family consequently she was highly adjusted with all the members of family. At her home she was called by the name Chinee Maya [18]. She also died in 2023 B.S at the time Nayaraj was 53 years old. He had married Budh Kumari in B.S. 1983 and had two sons and three daughters. his two sons (Prof. Mahesh Raj Pant and Prof. Dinesh Raj Pant) are working in the field of teaching and research and are renowned professors.

When Nayaraj was 5 years, he started his education with recognizing letters (akshravayas) with his maternal grandfather (his mother's father) Jyoutishist Bhuwan Nath Pande through the Amar Kosh. Bhuwan Nath also a highly educated in Jyoutisha and he had knowledge of formation and revision of Panchanga. This work encouraged to Nayaraj to learn Jyoutisha and Mathematics. He was motivated with his auntie's son Indira Prasad, who was his elder brother and form him he had gain knowledge of English and about a great dramatist and poet Shakespeare.

He was as an orphan due to lack of his father but he never feel that by the affection of his mother Yagyapriya with his maternal grandfather Bhuwan Nath Pande and his family's lovely care. In this way he is impressed from Bhuwan Nath and he became as a great mathematician. Consequently he can be able to research and published about Laxmipati [15], his Jyoutisha education and his old manuscripts and publications. When Nayaraj was 7 years, he was admitted in Bhasha Pathashala at Kumarichock in 1977-1978 B.S. He was very interested in mathematics so within one to two years he was learned factorization and factors of mathematical expressions from his Guru Pandit Kabi Raj Pande. In 1980 B.S at the age of 10 years he was admitted at Shresta Pathashala at where his uncle (mama) Meru Nath Pande was a teacher. Pant was learning English from Tirtha Prasad and algebra (bijganit) from his uncle (mama). He also learned kaumudi at his home. In 1984 B.S. he was admitted at Rani Pokhari Pathashala in class 5. In this way his formal education was started and his certificate level in Sanskrit education. He was reached in Banaras for Bachelor degree education (Shastri) and Master's degree (Acharya). Thus his formal education was completed as,